THE PATENT GALVANIZED IRON.

TUPPER and CARR,
Owners of Crawford's Patents, and Proprietors to
THE GALVANIZED IRON COMPANY,
Supply patent Galvanized Sheets, plain or corrugated, for roofing &c., Water or Gas Pipes, Castings, Wire of all ranges, Guttering, Hooping, &c. Wholesale, retail, and for export.

An allowance to the trade.

WORKS—WILLWALL and BIRMINGHAM.
LONDON OFFICE, 4, MANSION-HOUSE PLACE.

IRON BUILDING and ROOFING

WORKS,
BIRMINGHAM, late of Southwark.
JOHN H. PORTER.

Manufacturer of the Corrugated and other kinds of Iron Roofing for railway stations, carriage sheds, farm buildings, gas-works, warehouses, factories, &c. &c.

PARTICULARLY
Of the Corrugated Iron Beams, Girders, and Fire-proof Floors.

THE PATENT GALVANIZING and

CORRUGATING IRON COMPANY,
Glass-house Yard, opposite the Principal Entrance to the London Docks,
Offices, 48, Cornhill, Birmingham.
J. RAYMOND & CO. Managers.

The Proprietors, having made considerable improvements in the mode of working Crawford's Patent, for which they have a license, are now in a position to execute orders to any extent, in a manner hitherto unequalled, and they respectfully solicit the favours of Builders, Contractors, Merchants, and others.

The proximity of their premises to the docks affords peculiar facilities for the prompt execution of shipping orders.

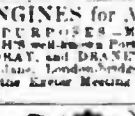
On hand—for exportation or home consumption—Patent Galvanized Plain and Corrugated Sheets, for Iron Houses, Roofing, Railway Stations, Carriage Sheds, Farm Buildings, Gas Works, Warehouses, Factories, Doors, Verandahs, Shutters, Partitions, Safety Chests, &c., Iron Guttering, Water and Gas Pipes, Hoopings, Wire of all sizes, Chairs and Seats for Lawns, Pleasure Grounds, and Gardens, in great variety.

Goods sent for and returned, free of charge, within three miles of the City; and all light goods received at the Works by 9 in the morning, will be returned the same day, if required.

A Discount allowed to the Trade.

STEAM-ENGINES for AGRICULTURAL

and other PURPOSES.—MESSRS. CLAYTON and SHUTTLEWORTH's well-known Portable Steam-Engines can be seen at DEANE, DRAY, and DRAKE'S Agricultural Implement Warehouse, Gracechurch-street, London-bridge.—The above engine obtained the prize at the Exeter Meeting of the Royal Agricultural Society, July, 1850.



TO BUILDERS AND OTHERS.

HART and SONS, Wholesale and Manu-

facturing Ironmongers, Nos. 82, 84, and 85, Wych-street, Strand. Established 1819. Proprietors and sole Manufacturers of PITT'S PATENT SELF-ADJUSTING DOOR FURNITURE and SPINDLES, and Manufacturers of Dr. ARNOTT'S VENTILATING CHIMNEY VALVES.

HART and SONS solicit the attention of Builders, House Decorators, Smiths, Bell-hangers, &c. &c. to their extensive and well selected stock of DOOR FURNITURE in every suitable material, as cast with finger-plates, bell-pulls, levers, &c., and also to their

LOCKS and LATCHES in mortice, rim, drawback, iron gate, cabinet, &c., of all qualities, including Harrison's, Bramah's, Chubb's, and Pitt's Patent.—To the

GENERAL IRONMONGERY wrought and cut nails, screws, hinges, bolts, &c. &c.

BRASS FOUNDERY.—Bell cranks of all descriptions, cornice poles, picture rods, door handles, desk and hat rails, window guards, Espagnolette bolts, &c. &c.

WINDOW FITTINGS of all kinds, including brackets, rods, arms, sliding sockets, traps, &c. &c.

DOOR SPRINGS and HINGES, including Redmund's, Smith's, Collinge's, Gerrard's, and Cotterell's patents.

WINDOW BLIND FITTINGS of the most approved principle.

SHERINGHAM'S and all other VENTILATORS.

LEAN RACK BOLT MORTICE LOCKS, for which they are AGENTS, as well as for all inventions of merit as soon as perfected.

HART and SONS, aware that the practice of publishing NET price-lists is injurious to the interests of the trade generally, are unwilling to follow it, but at the same time they hope to assure their friends that their prices will be found equally as low as those of any other respectable house.

JAMES ARTHUR MILES, Wholesale and

Manufacturing Brass Founder, 13, Paterno-lane, Queen-street, City, respects the attention of the trade to his stock of BRASS FOUNDERY, BELL CRANKS, and GAS FURNITURE, comprising a greater variety in each department than has hitherto been kept.

The CRANKS are arranged in twelve suites of different drafts and strengths, and from one to six fires. Also in the rough, mounted with copper pins, for secret work. BELL LEVERS and PULLS, in bronze, pearl, ivory, glass, and china.

In GAS WORK, the whole of the patterns are entirely new. A large assortment of coils, PILLARS, PENDANTS, BRACKETS, and CHANDELIERS is kept. CORNICE POLES, DESK RAILS, WINDOW FITTINGS, GASWORKS, and every description of brass work manufactured on the shortest notice.

NO IRONMONGERY OF ANY DESCRIPTION KEPT IN STOCK.

Agent for the sale of W. S. KENNEDY'S CHINA DOOR FURNITURE, with Dick's Patent Spindles, and whose stock is kept upon the premises. This stock is much larger in amount, and contains a greater variety of patterns than any other. Also CHINA LETTERS, GARDEN LABELS, COMMODE KNOBS, OTTOMAN FEET, &c., and a continual succession of novelties at the lowest prices. The above articles in china, may be had retail of all respectable ironmongers throughout the kingdom.

THE attention of those who are interested

in building is earnestly invited to a method of constructing the FLOORS, CEILINGS, and ROOFS of HOUSES on an improved FIRE-PROOF PRINCIPLE, the adoption of which secures many important advantages, at a cost not greater than that of the common mode of building with timber. This most desirable object is attained by the substitution of incombustible materials, chiefly iron and concrete, in the formation of the floors and roofs; thereby superseding the use of timber joists, &c., but retaining as much as may be desired, a finished boarded surface for the floors. From the published investigations of the most competent authorities, it would appear that no house in which timber joists are used is practically secure from the danger of fire; but no method of fire-proof building yet introduced has been available for ordinary domestic buildings on account of the expense. This difficulty is now so entirely removed by the introduction of an improved method of construction, that it is a simple matter of choice whether a building shall be fire-proof or not. Compared indeed, with the better description of timber floors, the fire-proof method exhibits considerable economy, and the total cost of a building will be still further reduced when the roof is constructed on this improved fire-proof system, which, so far from being merely theoretical, has proved its superiority by a trial of seventeen years; and it not only affords perfect security from the ravages of fire, but insures greatly increased strength and durability in the building, together with freedom from the attacks of dry rot, and from the annoyance of mouse and vermin, for which there is no harbour. For the object to which public attention is now so generally directed, viz., the construction of improved dwellings for the industrious classes, this system is peculiarly applicable; for when it is considered that several hundred rooms will generally be comprehended under one roof, and in a building probably five or six stories high, it is painful to contemplate the sacrifice of life which may occur in the event of fire. The Metropolitan Association, established for the object, have erected themselves of the advantages of this system in the construction of a large block of dwellings for sixty families, just completed in Spitalfields; and several large company houses, factories, warehouses, private mansions, dwelling-houses, offices, &c., are also either completed or in course of erection, indicative a wide and extensive appreciation of the advantages of this improved plan of building.—A pamphlet fully descriptive of the system, and all further information, may be obtained on application to the proprietors of the patent, Messrs. FOX and BARRETT, 46, Lincoln's-inn-fields, London.

WARMING by HOT WATER.—

J. WEEKS and Co., KING'S-ROAD, CHELSEA, solicit the honour of Architects to inspect their Hot-Water Apparatus, which is to be seen on their premises, in extensive operation. Ornamental Pedestals and Stacks of Pipes in great variety, applicable for warming churches, mansions, entrance-halls, offices, conservatories, &c. TUBULAR BOILERS of all sizes, warranted to be the most efficient and economical of any yet introduced.—J. WEEKS and Co., Hot-Water Apparatus Manufacturers, King's-road, Chelsea.

IRON FOUNDRY, 80, Goswell-street (late of

Brick-lane, St. Luke's).—J. J. JONES having made great additions to his STOCK of PATTERNS, begs to inform the Trade, that he can now supply them with Plain and Ornamental Iron Columns, Girders, Railings, Gates, Iron Copings, Balconies, Window Guards, Verandahs, Ornamental Staircase Panels, Iron Staircases, Tomb Enclosures, Trellis Panelling, Lamp and other Brackets, Cantilevers, Newel Bars, Water Closet Work, Area Gratings, Fly and other Wheels, Wheel Plates, &c.

BAKERS' OVEN WORK, Force Backs and Trenchs, Rain Water Pipes and Gutters, Sash Weights, Furnace Bars, Stoves, Ranges, &c., always in stock.

TO FLORISTS AND OTHERS.

J. JONES, Iron merchant, has always a

great variety of CONICAL and SADDLE BOILERS in STOCK; also fire and [illegible] bars, ornamental and plain supply cisterns, double doors and frames, furnace grates, cast doors for the same, hot water pipes, elbows, tees, syphons, throttle valves, stop cocks, flange and socket elbows, &c.; also trough pipes. Drawings and prices of the above, on application to J. JONES, Iron-bridge-wharf, No. 4, Bankside, London, near the Southwark Iron Bridge.

FRENCH CASTINGS.—SAMUEL

HOLD and Co. respectfully invite the attention of Architects and others to their stock of French Castings, consisting of balcony panels, balconets, panels for gates, staircase bars, newells, knockers, &c. combining the greatest beauty of design, with economy of material.—Castings Warehouse, 51, Upper Thames-street.

COTTAM and HALLEN, 2, Winsley-street,

Oxford-street, beg leave to draw attention to their new and improved patterns in STABLE FURNITURE. The manger, rack, and water-trough are placed in a line together, and may be had either plain, galvanized, or enamelled. Castings and wrought-iron work of every description, at the lowest scale of prices. Underground pipe, 3s. 9d. per cwt. Estimates upon application.

COTTAM and HALLEN, 2, Winsley-street, Oxford-st. London.

TO BUILDERS AND CARPENTERS, &c.

J. H. BOOBBYER and CO., late Sturch

and Boobbyer Ironmongery, Brass Foundry, Nail, and Tool Warehouse, No. 14, Stanhope-street, Clare-market, London, for the supply of Carpenters, Builders, Cabinet-makers, Upholsterers, &c., at wholesale prices.

Best Cut Sheet Flooring Brads, 11s. 6d. per cwt.

Fine Cut Clasp and Room.

1in. 6d.	1¼in. 6d.	1½in. 6d.	1¾in.	12s. 6d. per cwt.
1½	1¾	2	2½	3 inch.

Best Bright Tower Bolts.

1s. 3d.	1s. 7d.	2s. 3d.	2s. 6d. per dozen.
3	4	5	6 inch.

Best Patent Sash Line.

4s.	4s. 6d.	5s. 6d.	7s.	8s.	10s. 6d. per gross.
No. 1	2	3	4	5	6

Cast Lath Nails, 10s. per cwt. Air Bricks, 3s. 6d. per dozen.

DR. ARNOTT'S VENTILATORS.

10 by 7 inches ..... 3s. each.
14 by 9 ..... 4s. "

An assortment in Brass, Bronzed, Gilt, &c.

An extensive stock of Mortice Locks, Drawback Locks, Iron Rim Locks and Latches, of every description, at very reduced prices; also Door Furniture, in china, ambar, crystal, ivory, ebony, buffalo, horn, brass, &c., with Finger-plates, Bell-pulls, and Levers on ends.

B. and Co. are the inventors of SHIFTING BOLT MORTISE LOCKS, &c., as universally approved of.—Established nearly 200 years, for the supply of goods from the best manufacturers at the lowest prices.

TO BUILDERS and CARPENTERS.—

Elliptic Stoves, double backs, 9½d. per inch.
Register Stoves, 5d. 6d. 6½d. 7½d. per inch.
Self-acting Ranges, with circular ovens and back boilers, best wrought bars and bright fittings—

3 ft., £ 12s.	3 ft. 6 in., £ 7s.	4 ft., £ 15s.

3-feet Cottage Ranges, with ovens and back boilers, 12s. each.
3-feet self-acting ditto, ditto ..... 13s. each.
Air Bricks, 3s. 6d. per doz.—1-inch Cut Lath Nails, 12s. 6d. per cwt.

Best Patent Cut Clasp.

1¼	1½	2	2½	3 inch and larger,
14s. 6d.	14s.	12s.	12s. 6d.	12s. per cwt.

Best Sheet Floor Brads, 11s. 6d. per cwt.

Best Town Glue, 3½d. Pitch, bevel, 3½d. per cwt.

Best Patent Sash Line.

3	3	3	4	5	6
4s.	4s. 6d.	5s. 6d.	7s.	8s.	10s. 6d. per gross.

ALF. R. WILLIAMSON'S IRONMONGERY and STOVE WAREHOUSE, 25, Chiswell-street, Finsbury-square.

Lists of Prices had on application at the Warehouse, or by letter, pre-paid, inclosing postage stamp.—Warehouse closes at 7 o'clock.

CLARK and HUNT'S IRONMONGERY,

STOVE and METAL WAREHOUSE, 120, Shoreditch.

Strong Elliptic Stoves, with extra back, 9½d. per inch.
Register Stoves, 6d. per inch.
3-ft. Self-acting Cottage Ranges, with Oven and Boilers, 12s. each.
3-ft. Self-acting ditto, with wrought bars and bright fittings, 15s. ea.

Cast Rain-water Pipe	2	2½	3 inch.
	9d.	10d.	1s. per yard.

Cast Gutters—4 inch, 9d. per yard.

O.G. Gutters	4	4½ inch.
	11d.	1s. per yard.

Best Cut Clasp and Room	1¼	1½	2	2½	3 inch.
	14s. 6d.	14s.	12s. 6d.	14s.	12s. per cwt.

Sheet Flooring Brads, 11s. 6d. per cwt.

1-inch Cut Lath, 14s. Cast Lath, 8s. 6d.

4-inch 3-Bolt Ed. Ward Mortice, with best Furniture and Patent Spindles, 3s. 9d.

Light Elliptic and Register Metal, 12s. per cwt.

Hot Water Pipes, 8s. 6d. per cwt.

Dr. Arnott's Ventilators, 5s. each.

An extensive stock of iron, pot, brass, and sheet iron.

STOVES, RANGES, &c.

HAYWARD, BROTHERS,

196, Blackfriars-road, and 117 and 118, Union-street, Borough,
IRON MONGERS, and MANUFACTURERS
Of Self-acting Ranges, Elliptic and Register Stoves, Arnott's Valves, &c.

SOLE MANUFACTURERS OF
HEALY'S patent improved KITCHEN RANGE, with hot plate.
Wollaston's patent radiating and reflecting Register Stoves, and
SHERINGHAM'S VENTILATOR.

FULKES' RANGE and STOVE

MANUFACTORY and BUILDERS' IRONMONGERY WAREHOUSE, Nos. 91 and 92, Parkstreet, Camden-town. An extensive and well selected stock of all descriptions of Stoves, Ranges, and Builders' Ironmongery, at prices equally low as those of any house in the trade, and in many things much lower.

TO ARCHITECTS AND BUILDERS.

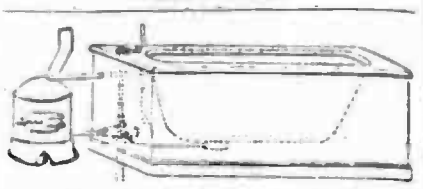
CHUBB'S WROUGHT-IRON and FIRE-

PROOF DOORS and FRAMES, for strong Rooms. A large stock of the above, of all sizes, made in the best manner, and of different strengths, fitted with CHUBB'S PATENT DETECTOR LOCKS, throwing from two to twenty bolts, now ready on sale, at very moderate prices. FIRE-PROOF SAFES of every size, and Patent Detector Locks and Latches for all purposes.—C. CHUBB and SON, sole Manufacturers, 57, St. Paul's Churchyard, London.

FIREPROOF BOOK-SAFES AND DEED-BOXES.

GRIGG and JENKINSON beg to offer to

BANKERS, MERCHANTS, SOLICITORS, and MEN of BUSINESS in general requiring safe deposits for VALUABLE PAPERS, &c., a medium of security in their Wrought-Iron Safes and Boxes, which cannot be surpassed. They embrace in a peculiar manner all requisite features—great strength and neatness, undoubted resistance to FIRE, and LOCKS which it is impossible either to force or pick. Their prices are strictly moderate. Also IRON DOORS, and every description of Strong Fastenings. Manufacturers, GRIGG and JENKINSON, Finsbury Iron Works, 119 and 120, Bunhill-row.



BATHS.—J. TYLOR and SON'S improved

APPARATUS, consisting of copper or galvanized iron baths, coated with enamelled white or Sienna marbles inside, copper circulating boiler, with three-way cock for hot, cold, and waste water, complete, IS MOVEABLE, and does not require any BRICK-WORK. Manufacturers of every description of boilers and coil pipes for heating baths or public buildings, hospitals, union workhouses, asylums, &c.—Apply to Ironmongers or Plumbers, or to the Manufacturers, Warwick-lane, London.

CHURCH and TURRET BELLS

cast to any weight, and tuned. Ship, plantation, hot-house, sheep, cup, and clock bells of any size.

MUSICAL HAND BELLS

Tuned to the chromatic scale, with improved clappers, and pegged on a new system, which gives a superior tone and facility for ringing.

Memorial Brasses, Pulpit Lights, and Brackets, &c.

Old Bells recast or taken in exchange.

J. WARNER and SONS,
BELL FOUNDERS,
ENGINEERS, &c.

TO BUILDERS AND PLUMBERS.

THE attention of the

Trade is called to

JOHN WARNER & SONS' PATENT VIBRATING STANDARD PUMP,

which is recommended for the simplicity of its construction, and the ease with which it works.

By the introduction of the vibrating standard the cumbrous iron arc and expensive chains and guides are unnecessary, rendering the pump considerably less than pumps made on the old plan.

Beer and Water Engines for raising fluids from a depth not exceeding 28 feet; also, Garden Engines constructed on the same principle.

JOHN WARNER & SONS,
8, Crescent, Jewin-street, London,
Manufacturers and Patentees.

TO ARCHITECTS, BUILDERS, AND BRICK-MAKERS.

PUMPS of Superior CONSTRUCTION,

bored perfectly true by improved machinery, in various plain and ornamental patterns for Conservatories, Squares, Market Places, Roads, Gardens, and for Liquid Manure. BRICK MAKERS' PUMPS, in Wrought and Cast Iron, HYDRAULIC LIFT PUMPS, and ENGINES for Wells of any depth, SINGLE and DOUBLE PUMPS up to twelve-inch bore, kept for Hire.

BENJ. FOWLER (late of 63, Dorset-street), removed to the new Factory, Whitefriars-street, Fleet-street.

PATENT VULCANIZED INDIA-

RUBBER TUBING, for Gas Fittings, Chemical Purposes, Fire Engines, Manure Pumps, &c.—JAMES LYNE HANCOCK, Sole Manufacturer and Licensee, Goswell-mews, Goswell-road, London, begs to invite the attention of Architects, Builders, Engineers, and the trade generally, to the Vulcanized India Rubber Tubing, which is now manufactured from [illegible] bore and upwards, in lengths from 50 to 100 feet, and of equal strengths, suitable to the purposes for which it is applied. VULCANIZED HOSE for FIRE ENGINES, LIQUID MANURE, and for conveying HOT WATER to BATHS in DWELLING HOUSES and BREWERIES, manufactured to resist great pressures of any length and size to order.

*** Testimonials may be had on application to the Manufactory.

N.B. VULCANIZED WASHERS and SHEET RUBBER for Steam and Hot Water Pipes, and Packings for Pistons and Glass Doors of Steam Engines, cut any size to order.

SMOKY CHIMNEYS EFFECTUALLY

CURED.—WILSON and CO.'S PATENT CHIMNEY POTS for the Cure of Smoky Chimneys have been extensively tested throughout the Kingdom for the last five years, and have proved an effectual remedy in many cases where other inventions have failed. They are manufactured of artificial stone cement or zinc, and may be had at the manufactory, 1, Vale-place, Hammersmith, Middlesex. Prices and prospectuses forwarded by return of post.

N.B.—J. W. and Co. will contract for the Cure of Smoky Chimneys on the terms of "No Cure no Pay."

TO THE NOBILITY, GENTRY, ARCHITECTS, BUILDERS, UPHOLDERS, AND OTHERS.

SMOKY CHIMNEYS, and SMOKE and

Foul descending down Flues not in use, which is so injurious to health and destructive to furniture, EFFECTUALLY CURED in one or two days, without disturbing the family, by an experienced Surveyor of many years' standing, and who has never failed in effecting a cure. References will be given, if the highest responsibility.—Address, Mr. WILLIAMS, 3, Queen Elizabeth-row, Greenwich.

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